



# MaxView

## User's Guide

10-001-000-50

*For IBM Compatibles running Windows 95, 98 or Windows 2000*

© 1999-2001 AITech International Corporation. All rights reserved.

Information in this document is subject to change without notice. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, for any purpose without the prior written permission of AITech International Corporation.

*MaxView* is a trademark of AITech International Corporation.

Pentium is a trademark of Intel Corporation.

IBM is a registered trademark of International Business Machines Corporation.

MS-DOS and Microsoft are registered trademarks and Windows is trademark of Microsoft Corporation.

**AITech International Corporation World Headquarters**

47987 Fremont Boulevard

Fremont, CA 94538

USA

Phone: 510-226-8960

Fax: 510-226-8996

Tech Support: 510-226-9246

E-mail: [tech\\_support@aitech.com](mailto:tech_support@aitech.com)

Website: [www.aitech.com](http://www.aitech.com)

## Table of Contents

AITECH INTERNATIONAL CORPORATION WORLD HEADQUARTERS .....	2
Introduction .....	4
Product Features .....	4
Input.....	4
Output.....	4
Power Requirement .....	4
Minimum System Requirements .....	4
Package Contents.....	5
Warranty Registration.....	5
Installing the MaxView .....	6
Using the Display Enhancement Utilities.....	6
Using Bundled Third-party Application Software.....	7
Help! I Can't See Anything On My TV!.....	7
Contacting AITech Technical Support .....	8
Placing a Call for Support .....	8
Warranty Information .....	8
Software License Agreement.....	9
Software Limited Warranty .....	9
Hardware Limited Warranty.....	9

## Introduction

Welcome to the world of the **MaxView**. This multimedia product is a convenient tool for business conferences, classroom presentations, multimedia demonstrations and home entertainment. It is capable of displaying your computer images onto the television, or any video product such as a VCR or camcorder.

## Product Features

**MaxView offers the following features:**

- External VGA-to-TV digital scan converter
- Superior image quality with resolutions up to 1024x768 x 16.7 million colors. Wider horizontal and vertical (up to 85Hz) frequencies
- Simultaneous display on personal computer monitor (or laptop LCD) and TV screen
- Plug & Play. No settings to make in your system
- Patented Flick-Free™ filter technology for sharper flicker-free images on your TV screen
- 3 channel 10-bit output D/A converter
- Simultaneous RCA composite and S-Video outputs
- Default underscan
- FCC Class B certified and CE Conformance verified

### Input

- 15-pin VGA analog RGB signal
- Multiple input frequencies
  - 640x480 @ 60-85 Hz
  - 800x600 @ 60-85 Hz
  - 1024x768 @ 60-70 Hz



### Output

- S-Video & RCA (cables included)
- VGA bypass
- SCART (optional cable for the PAL **MaxView**)

### Power Requirement

- 5 volts DC, 800 mA, center negative polarity (AC adapter included)

### Minimum System Requirements

- IBM AT or better PC, other PC compatible computer, or Mac computer
- MS-DOS or any version of Windows
- VGA-Out port at 640x480 resolution and 16 colors
- Video input device such as video monitor, TV, or VCR

## Package Contents

The following items are included in the *MaxView* package:

- *MaxView* unit
- CD containing the ReadMe file, User's Guides, AITech Display Enhancement Utilities and optional bundled application software (if included, it will be indicated on the external packaging).
- MaxView Quick Start Guide
- Composite (RCA) Video cable
- S-Video cable
- SCART cable (optional cable for the PAL *MaxView*)
- 5V AC power adapter (center negative polarity)
- Audio Cable
- Warranty registration card

## Warranty Registration

Please complete the warranty registration card and return it to AITech to guarantee efficient warranty service and new product notification. You may also choose to register online at [www.aitech.com](http://www.aitech.com)

## Installing the *MaxView*

The *MaxView* is totally plug-and play. Installation is simple and straightforward. There is no need to install any device driver. Just follow these steps:

1. Turn off your computer.
2. Disconnect your monitor's VGA cable from the VGA port on the rear of the computer.
3. Connect the *MaxView*'s 15-pin VGA connector to the VGA port where the monitor was connected. (You may choose to connect the PC monitor to the VGA pass-thru port on the *MaxView* for simultaneous display on your PC monitor.)
4. Choosing tht S-VIDEO\* or RCA video cable, connect one end to the appropriate port on the *MaxView*, and the other end to the corresponding port on the TV.
5. Plug in the power adapter.
6. Power on your PC.

That's all there is to it! You should now be able to see your computer image displayed on the TV screen, LCD projector, VCR, or video camcorder. There is no need to change any settings unless your computer's VGA output is set at a refresh rate higher than 85Hz. You may want to use the included Display\_Utility.exe utility to detect the refresh rate of your computer's VGA signal. Follow the instructions in the README file in the \Utility\Display folder on the CD-ROM to adjust the refresh rate to support your computer. We suggest that you use 60Hz for a 1024x768 resolution, and 75Hz for 640x480 and 800x600.

**\*Note: The S-Video connection is a newer video standard. This type of connection improves color, clarity, and resolution. We recommend using the S-Video connection whenever available.**

## Using the Display Enhancement Utilities

To enhance your efficiency and pleasure using our product, we have included two utilities. The utilities may be run from the CD-ROM Browser, or can be manually copied from the CD-ROM to your hard drive for convenience when you do not have the CD-ROM handy.

The **TV Font Utility** makes menu functions, buttons, icons and sometimes the contents of Windows applications appear larger on your TV, so you can view the content comfortably from a distance. The utility may be run directly from the CD Browser, or if you wish, you may copy the entire \Utility\TVFont folder from the CD to your hard drive. This will allow you to run the TV Font Utility even when you don't have the CD handy. Simply double-click on **AITVFont.exe** anytime you want to use a larger display font under the Windows environment.

The **Display Utility** detects your system and allows you to choose an optimal refresh rate for maximum system compatibility. The utility may be run from the CD Browser, or if you wish, you may copy the entire \Utility\Display folder from the CD to your hard drive. This will allow you to run the Display Utility even when you don't have the CD handy. Simply double-click the **Display\_Utility.exe** file to run the utility.

## Using Bundled Third-party Application Software

AITech assumes no responsibilities for the functionality and reliability of the bundled third-party software, if they are included with the product version you purchased. The intellectual property rights of this software belong to their respective developers. The developer of the respective programs will provide technical support. Please check the software's user manual and Help file for contact information.

Also note that each software application may have its own system requirements. Check the software's user manual or Help file for the requirements.

## Help! I Can't See Anything On My TV!

**If you are having difficulty seeing your computer display on the TV, check the following:**

### **Connections:**

- Check the power connection to the *MaxView*.
- Check the connections from the *MaxView* to the PC.
- Check the connections from the *MaxView* to the TV.

### **TV (or VCR):**

- RCA connections to a TV or VCR must be to the Video Input (yellow) connector.
- If you are connected directly to a **TV**, ensure that the TV has been configured to accept auxiliary video input.
- If you are connected to the TV through a **VCR**, ensure that the TV and VCR have been configured to accept auxiliary video input.

An **input button** on the TV or VCR's original remote control often sets the video input mode. This mode is needed for both S-Video and RCA video connections.

The button may be marked **Video, Video-1, Aux, Input, Vid, Line, Line-In, TV/VCR**, etc. On some TV's and VCR's this setting is made by selecting Channel 2, then pressing the Down Channel button. If this does not work, refer to your TV (or VCR) manual.

**Settings:** Check that the computer's Display Settings are set correctly.

- **640x480 at 60-85Hz**
- **800x600 at 60-85Hz**
- **1024x768 at 60-70Hz**

**Laptops:** Laptops must be set to External-only or Simultaneous VGA display mode. This is usually done with a hot-key combination (Fn + function key). Refer to your laptop manual for further details.

## Contacting AITech Technical Support

You may find it most convenient to visit our website anytime at [www.aitech.com](http://www.aitech.com). The Technical Support area of this site contains the very latest information on product usage and troubleshooting.

If you require our assistance to resolve problems with the product, call our Technical Support Hotline Monday through Friday between 9:00 am and 5:00 PM (PST) at 510-226-9246.

You may also contact us by email at [tech\\_support@aitech.com](mailto:tech_support@aitech.com).

For questions regarding installation and usage of the bundled application software, please visit the Website of the software developer indicated on the CD for technical support.

## Placing a Call for Support

To enable our technicians to accurately and quickly resolve your problems, please have the following information available before you call:

- Your name
- Your company or organization name
- Address
- Email address
- Phone number
- Fax number
- Product name and serial number
- Software name and version number
- Your computer system configuration, including
  - Windows version
  - Video card manufacturer and device driver versions
  - Video and audio output being used
- Detailed description of your problem including
  - History
  - What you have tried to resolve the problem
  - Conditions under which this occurs
  - Number and exact wording of any software error messages

## Warranty Information

- If it becomes necessary to forward the *MaxView* for repair or modification, first obtain a Return Authorization Number (RA) from AITech. Any product sent to AITech **without** an RA will be **returned** to the sender. Call or e-mail Technical Support to obtain a RA number.
- Outside the United States: Please contact your local distributor.

Please ensure your product is adequately cushioned to prevent damage during shipping. Please include all hardware and software that came with the *MaxView* in the original packaging, so the integrity of these items can be verified by AITech technicians.

**It is recommended that you ship your *MaxView* fully insured. AITech is not responsible for loss or damage caused by shipping.**

## **Software License Agreement**

AITech International Corporation (AITech) grants the original purchaser a limited, non-exclusive license, without the right to sublicense, to use this copy of AITech software on a single computer at a time. AITech reserves all rights not expressly granted and retains title and ownership of the software including subsequent copies in any media. It is strictly prohibited to copy this software except to load the software from the supplied diskette(s) or compact disc (CD) onto the computer's hard disk solely for the purpose of executing the program and for backup purposes in support of your use of the software on a single computer. You are granted no other rights to copy, duplicate, sell or otherwise distribute this AITech software product.

## **Software Limited Warranty**

As the only warranty under this agreement, and in the absence of accident, abuse or misapplication, AITech warrants, to the original licensee only, that the diskettes on which the software is recorded are free from defects in material and workmanship under normal use and service for a period of one year from the date of original purchase as evidenced by a copy of the purchase receipt. AITech's only obligation under this warranty is, at AITech's sole option, to replace the diskette that does not meet AITech's warranty, and which is returned to AITech, postage prepaid with a copy of the purchase receipt.

**This warranty gives you limited specific legal rights. You may have other rights, which vary from state to state, except as expressly provided above, the software and accompanying written materials (including the User's Guide) are provided "as is" without warranty of any kind including the implied warranties of merchantability and fitness for a particular purpose. AITech specifically does not warrant the operation of the hardware and will not be liable for any direct, indirect, consequent or incidental damages arising out of the use or inability to use such product even if AITech has been advised of the possibility of such damages. Some states do not allow the exclusion or limitation of liability for consequential or incidental damage, so the above limitation may not apply.**

## **Hardware Limited Warranty**

AITech imaging products are warranted to be free from failures due to defects in material and workmanship for one year from the date of original purchase as evidenced by a copy of the purchase receipt. During the warranty period, AITech, at AITech's sole discretion, will repair or replace at no charge, the product which, in its opinion, is defective.

The original purchaser is responsible for packing the product for shipment and charges to ship the failed product to AITech. AITech is responsible for charges to ship the repaired or replaced product. If any charge to you is involved, the replacement product will be shipped C.O.D.

If the failed product has been modified in any way without the consent of AITech or if the failure is the result of misuse, abuse, or misapplication, AITech has no obligation to repair or replace the failed product.

**Except as expressly provided above, the hardware and accompanying written materials (including the User's Guide) are provided "as is" without warranty of any kind including the implied warranties of merchantability and fitness for a particular purpose. AITech specifically does not warrant the operation of the hardware and will not be liable for any direct, indirect, consequent or incidental damages arising out of the use or inability to use such product even if AITech has been advised of the possibility of such damages. Some states do not allow the exclusion or limitation of liability for consequential or incidental damage, so the above limitation may not apply.**